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(71) Applicants (for all designated States except US): ASML
US, INC. [US/US]; 440 Kings Village Road, Scotts Valley,
CA 95066 (US). INTEGRATED PROCESS SYSTEMS
LTD [KR/KR]; 33 Jije-dong, Pyunglaek, Kyungki-do
(KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SENZAKI, Yoshi-
hide [JP/US]; 400 Clubhouse Drive, Aptos, CA 95003
(US). LEE, Sang-In [KR/US]; 22608 San Juan Road,
Cupertino, CA 95014 (US). LEE, Sang-Kyoo [KR/KR];
#201, 17-22 Yangjae 1 Dong, Suhcho-Gu, Seoul (KR).

(74) Agents: SWIATEK, Maria, S. et al.; Dorsey & Whitney
LLP, 4 Embarcadero Center, Suite 3400, San Francisco, CA
94111 (US).

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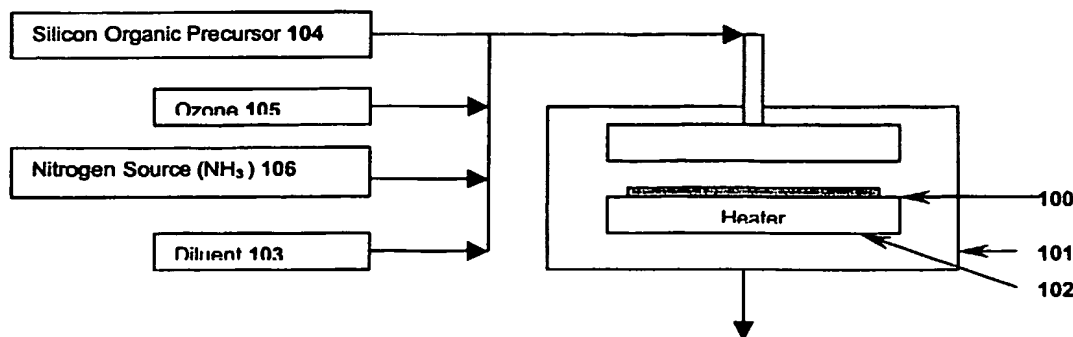
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ning of each regular issue of the PCT Gazette.

(54) Title: LOW TEMPERATURE DEPOSITION OF SILICON OXIDES AND OXYNITRIDES



(57) Abstract: The present invention relates to low temperature (i.e., less than about 450 °C) chemical vapor deposition (CVD) and low temperature atomic layer deposition (ALD) processes for forming silicon oxide and/or silicon oxynitride derived from silicon organic precursors and ozone. The processes of the invention provide good step coverage. The invention can be utilized to deposit both high-k and low-k dielectrics.

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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
NONE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P — Y,P	US 2003/0040196 A1 (LIM ET AL.) 27 February 2003 (27.02.2003), [0056]-[0065], [0086], [0091], FIGS. 1, 2.	1-2, 4-8, 10-14, 16-18, 20-23, 25-27
X — Y	US 6,030,900 A (GRASSL ET AL.) 29 February 2000 (29.02.2000), ABSTRACT, COL. 2 - COL. 4.	3, 9, 15, 19, 24 1-3, 6-12 4-5, 13-27

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703)305-3230

Authorized officer

Olik Chaudhuri

Telephone No. 703-308-0956